

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054243 A1

(51) International Patent Classification⁷: **C07D 471/08**,
A61K 31/4995, A61P 9/12, C07D 241/00, 221/00

(74) Agent: **HOFMANN, Dieter**; Actelion Pharmaceuticals
Ltd, Gewerbstrasse 16, 4123 Allschwil (CH).

(21) International Application Number:
PCT/EP2004/013578

(22) International Filing Date:
30 November 2004 (30.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/EP03/13767 5 December 2003 (05.12.2003) EP

(71) Applicant (for all designated States except US): **ACTELION PHARMACEUTICALS LTD** [CH/CH]; Gewerbe-
strasse 16, 4123 Allschwil (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BEZENCON, Olivier** [CH/CH]; Äussere Baselstrasse 137, 4125 Riehen (CH). **RICHARD-BILDSTEIN, Sylvia** [FR/FR]; 12, rue des Beaux Prés, F-68440 Dietwiller (FR). **BUR, Daniel** [CH/CH]; Im Rosengarten 24, 4106 Therwil (CH). **FISCHLI, Walter** [CH/CH]; Obertorweg 64, 4123 Allschwil (CH). **WELLER, Thomas** [CH/CH]; Hoelzlistrasse 58, CH-4102 Binningen (CH). **REMEN, Lubos** [SK/CH]; Kurzellängeweg 28, 4123 Allschwil (CH). **SIFFERLEN, Thierry** [FR/FR]; 1, rue des Ardennes, F-68220 Hegenheim (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

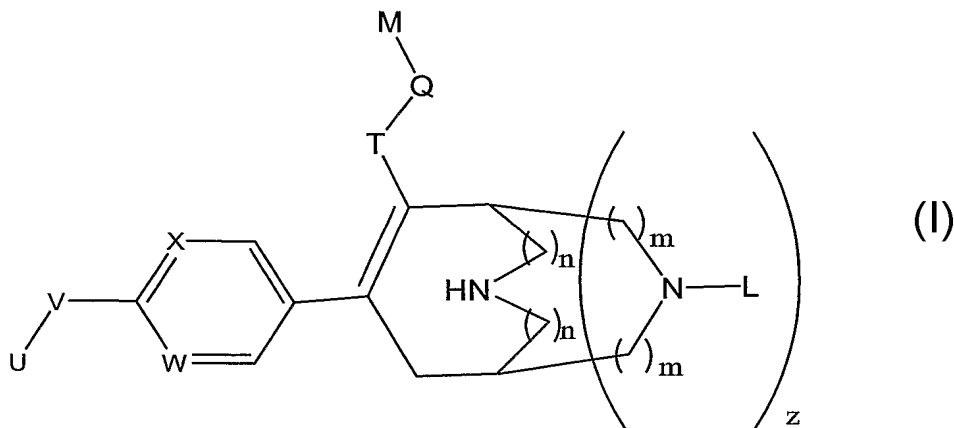
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DIAZABICYCLONONENE DERIVATIVES AND THEIR USE AS RENIN INHIBITORS



(57) Abstract: The invention relates to novel 3,9-diazabicyclo[3.3.1]nonene derivatives of formula (I), wherein Z is 0 or 1, one of m, n is 0 and the other is 1, and their use as inhibitors of renin.

WO 2005/054243 A1